320D L Hydraulic Excavator

SCHEMATIC INDEX

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SYMBOL LEGEND

	Fixed Displacement Pump
	Variable Displacement Pump
	Hydraulic Motor
	Control Valve (Spool Type)
	Pressure Relief Valve
	Check Valve
	Pilot Operated Check Valve
	Line Filter
	Hydraulic Oil Cooler
	Reservoir

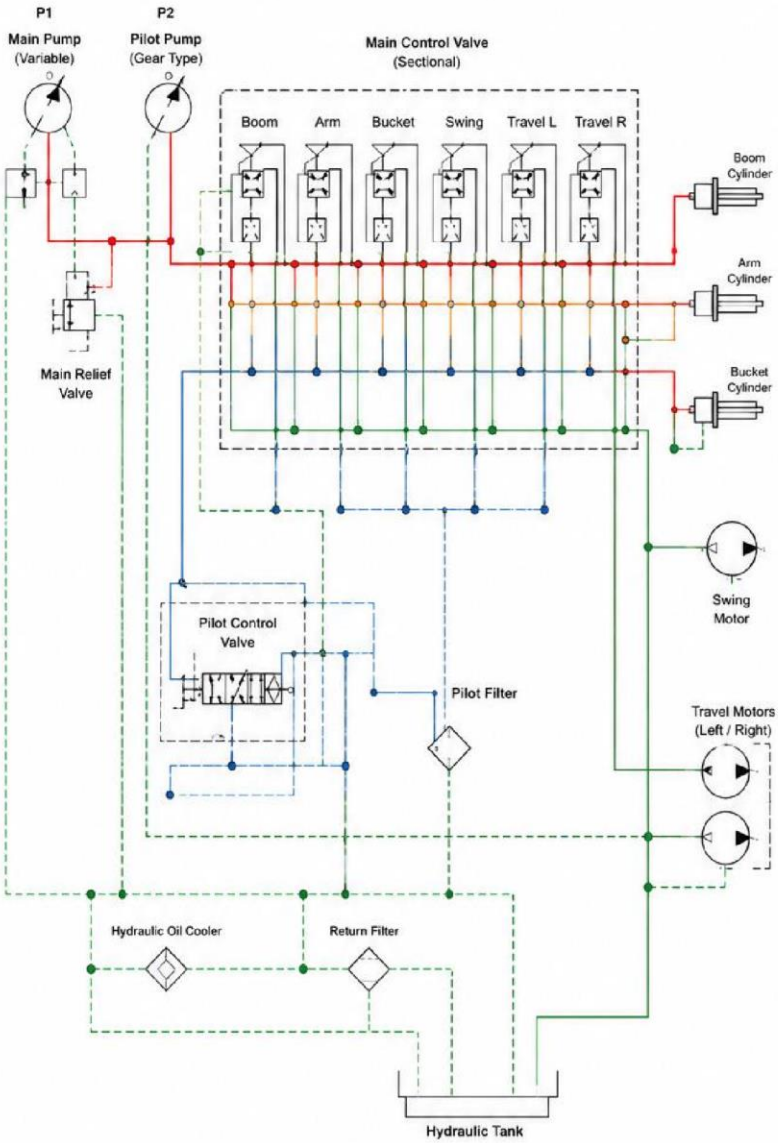
COLOR CODE

- Pressure Line (High)
- Pressure Line (Medium)
- Pilot Line
- Return Line / Tank Line
- Drain Line (Case Drain)

NOTE:

Colors are used for reference only.
Refer to symbol legend for identification.

H-01 HYDRAULIC SYSTEM OVERVIEW



ABBREVIATIONS

P1	Main Pump
P2	Pilot Pump
Rel.	Relief
Ctrl.	Control
Ret.	Return
Dr.	Drain

COMPONENT LIST (REFER TO SYMBOL LEGEND)

1. Main Pump (Variable Displacement)
2. Pilot Pump (Gear Type)
3. Main Control Valve (Sectional)
4. Pilot Control Valve
5. Main Relief Valve
6. Hydraulic Oil Cooler
7. Return Filter
8. Cylinders (Boom, Arm, Bucket)
9. Swing Motor
10. Travel Motors (Left / Right)
11. Hydraulic Tank

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The **Caterpillar 216B3 Skid Steer Loader Electrical & Hydraulic Schematic Manual CD31-UP** is a comprehensive technical resource created to assist mechanics, technicians, and equipment owners in diagnosing, servicing, and repairing the electrical and hydraulic systems of the Caterpillar 216B3 Skid Steer Loader. Designed specifically for machines with serial number prefix **CD31-UP**, this manual includes detailed electrical wiring diagrams, hydraulic circuit schematics, connector pin layouts, component locations, and complete system routing information. Its factorystyle illustrations and clearly organized schematics make it easy to trace electrical circuits, identify hydraulic flow paths, locate faults, and perform accurate repairs with confidence. Whether carrying out preventive maintenance or resolving complex electrical and hydraulic issues, this digital manual helps reduce downtime, improve repair efficiency, and maintain the reliable performance of your Caterpillar 216B3 loader.

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